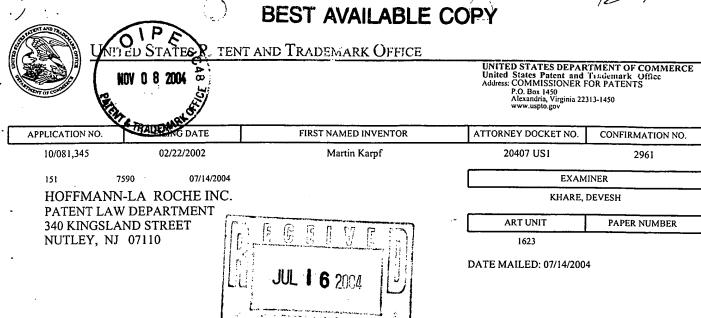
PTO/SR/21 (02-04)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE e Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Application Number 10/081.345 TRANSMITTAL Filing Date February 22, 2002 **FORM** First Named Inventor Karpf Art Unit 1623 (to be used for all correspondence after initial filing) **Examiner Name Devesh Khare** Attorney Docket Number 20407 US1 Total Number of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance communication Fee Transmittal Form Drawing(s) to Group Appeal Communication to Board Licensing-related Papers Fee Attached of Appeals and Interferences Appeal Communication to Group ~ Petition (Appeal Notice, Brief, Reply Brief) Amendment/Reply Petition to Convert to a Proprietary Information After Final Provisional Application Power of Attorney, Revocation Status Letter Change of Correspondence Address Affidavits/declaration(s) Other Enclosure(s) (please Terminal Disclaimer Extension of Time Request Identify below): Request for Refund Express Abandonment Request CD, Number of CD(s) Information Disclosure Statement Remarks Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Samuel H. Megerditchian Individual name Signature ONUE Date 11/02/2004 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. Typed or printed name Samuel H. Megerditchian Date 11/02/2004 Signature amuel 12 This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to

process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

LAN / JEME



Please find below and/or attached an Office communication concerning this application or proceeding.

RESPONSE DUE: Detalera) 14 2004

STATUTORY
PEROID EXPIRES: Januace 14, 2005

Copy Sent to
Department PLP

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Etalestics of their mays be available under the provisions of 3 CFR 1.136(a). In no event, however, may a reply be limited by the control of their provisions of the provisions of their provisions of the provisions of their provisions of their provisions of their provisions of the provisio	•	OIPE		
Office Action Summa The Mall ING DATE of this communication appears on the cover sheet with the correspondence address Period for Repty A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MALING DATE Of THIS COMMUNICATION I Extensions of time range by available under the provisions of 37 CPR 1.136(a). In no ewint, however, may a reply to the time of the provision of 37 CPR 1.136(a). In no ewint, however, may a reply to the time of the provision of 37 CPR 1.136(a). In no ewint, however, may a reply to the timely find a first 83 (b) Month'ris from the milling date of this communication. I the provision to the provision of 37 CPR 1.136(a). In no ewint, however, may a reply to the timely find a first 83 (b) Month'ris from the milling date of this communication. I the provision of the provision of 37 CPR 1.136(a). In no ewint, however, may a reply to the provision of 37 CPR 1.136(a). In no ewint, however, may a reply to the timely find. I the provision of the provision of 37 CPR 1.136(a). In no ewint, however, may a reply to the timely find. I the provision of the provision of the provision of 37 CPR 1.136(a). In no ewint, however, may a reply to the timely find. I the provision of	Y		ation No.	Applicant(s)
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2a) ☐ This action is FINAL. 2b) ☐ This action is non-final. 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) ☐ Claim(s) 1 and 2 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) 1 and 2 is/are rejected. 7) ☐ Claim(s) is/are allowed. 8) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) is/are objected to by the Examiner. 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. riority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1 ☐ Certified copies of the priority documents have been received in Application No 3 ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. **Rachment(s) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SBIO8) Notice of Informal Patent Application (PTO-152) Optice:	Status			
2a) ☐ This action is FINAL. 2b) ☐ This action is non-final. 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) ☐ Claim(s) 1 and 2 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) 1 and 2 is/are rejected. 7) ☐ Claim(s) is/are allowed. 8) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) is/are objected to by the Examiner. 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. riority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1 ☐ Certified copies of the priority documents have been received in Application No 3 ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. **Rachment(s) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SBIO8) Notice of Informal Patent Application (PTO-152) Optice:	1) Responsive to communication	(s) filed on 24 May 2004.		
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The remarks and request for RCE filed on 05/24/2004, are acknowledged. Claims 3-13 have been cancelled. Claims 1 and 2 are currently pending in this application. In view of the applicant's remarks, the examiner withdraws the 35 U.S.C. 103(a) rejections as obvious over Kent et al. (U.S. 6,204,398), because Kent et al. does not suggest the use of magnesium halide catalyst in the transformation of an epoxide to a 2-aminoalcohol as is claimed in the pending process claims 1 and 2.

During the course of reconsideration of the application, a prior art reference not previously disclosed by the applicants or the examiner came to light (see rejection below).

35 U.S.C. 103(a) rejection

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1 and 2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Auge et al. (Auge) (Tetrahedron Letters, 37(43), pp 7715-7716, 1996) in view of Karpf et al. (Karpf) (U.S. Patent 6,437,171).

The applied reference has a common assignee with the instant application.

Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art only under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 103(a) might be overcome by: (1) a showing under 37 CFR 1.132 that any invention disclosed but not claimed in

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the reference was derived from the inventor of this application and is thus not an invention "by another"; (2) a showing of a date of invention for the claimed subject matter of the application which corresponds to subject matter disclosed but not claimed in the reference, prior to the effective U.S. filing date of the reference under 37 CFR 1.131; or (3) an oath or declaration under 37 CFR 1.130 stating that the application and reference are currently owned by the same party and that the inventor named in the application is the prior inventor under 35 U.S.C. 104, together with a terminal disclaimer in accordance with 37 CFR 1.321(c). For applications filed on or after November 29, 1999, this rejection might also be overcome by showing that the subject matter of the reference and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person. See MPEP § 706.02(I)(1) and § 706.02(I)(2).

Claims 1 and 2 are drawn to a process for preparing a 2-aminoalcohol (III) by treating a 1,2-epoxide of formula (II) (claim 1) with an amine in the presence of a magnesium halide catalyst. Additional claim limitations include the amine of formula R⁵ NHR⁶ wherein the amine is allylamine, diallylamine, benzylamine, dibenzylamine or trimethylsilyl amine and the magnesium halide catalyst is magnesium bromide diethyl etherate.

Auge teaches the aminolysis of oxiranes (1,2-epoxide) to produce β-amino alcohols (or 2-aminoalcohol) (abstract on page 7715). Auge discloses the reaction between various oxiranes and amines having the general structure of the formula R₃R₄NH

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wherein the epoxide of the oxirane is attacked by the said amine in presence of lithium triflate to produce the β-amino alcohols (page 7716, Table: Aminolysis of Oxiranes). Auge does not suggest the use of magnesium halide catalyst in the reaction.

Karpf teaches a process for preparing 1, 2-diamino compounds by reacting 1,2-epoxides with an amine (col.2, lines 5-25). Karpf discloses that the reaction time of the said reaction can be reduced significantly with the use of magnesium halide catalyst (col. 6, lines 1-30). Karpf also discloses the amine of formula R⁵ NHR⁶ of the instant claim 2 (col. 5, lines 17-65). Furthermore, the 1,2-epoxide of formula II with various substituents is disclosed (col. 13, line 20). The 1,2-epoxide of formula II and the amine of formula R⁵ NHR⁶ are closely analogous to the applicant's claimed reactants of claims 1 and 2.

Therefore, one of ordinary skill in the art would have found the applicants process for preparing a 2-aminoalcohol, to have been obvious at the time the invention was made having the above references before him because Auge teaches the aminolysis of oxiranes (1,2-epoxide) to produce β-amino alcohols (or 2-aminoalcohol) and Karpf discloses that the reaction time of the said reaction can be reduced significantly with the use of magnesium halide catalyst, a skilled artisan would be motivated to make routine modifications to produce 2-aminoalcohol, an important class of compounds known for their pharmaceutical and biological properties (see Auge, page 7715, 1st para.).

Any inquiry concerning this communication or earlier communications from the

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Examiner should be directed to Devesh Khare whose telephone number is (571)272-0653. The examiner can normally be reached on Monday to Friday from 8:00 to 4:30. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James O. Wilson, Supervisory Patent Examiner, Art Unit 1623 can be reached at 571-272-0661. The official fax phone numbers for the organization where this application or proceeding is assigned is (703) 308-4556 or 308-4242. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1235.

Devesh Khare, Ph.D.,J.D. Art Unit 1623 July 2,2004

JAMES O. WILSON

SUPERVISORY PATENT EXAMINER
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m		C14	K.G. AKAMANCHI, et. al., "Diisopropoxyaluminium				
		-	Trifluroacetate: A New off the Shelf Metal Alkoxide Type				
	٠,		Reducing Agent for Reduction of Aldehydes and Ketones,"				
	\		Synlett, 371-372 (1997)				
		C15	C. ANAYA de PARRODI, et. al. "Application of				
	1		Phosphorylated Reagents Derived from N,N¹-di-[(S)-α-				
		İ	phenylethyl]cyclohexane-1,2-diamines in the Determination of				
			the Enantiomeric Purity of Chiral Alcohols," Tetrahedron:				
			Asymmetry, 9, 2093-2099 (1998)				
		C16	C. ANAYA de PARRODI, et. al., "Synthesis of				
		ı	Enantiomerically Pure N-(S)-α-Methylbenzyl-β-Aminoalcohols				
•	- 1	}	by Regio-and Stereoselective Ring Opening of Epoxides," An				
			Quim. Int. Ed., 92, 400-404 (1996)				
	- [C17	A.P.A. ARBORE, et. al., "A Rapid Approach to Amino-Acid				
	- 1	1	Derivatives by [2,3]-Stevens Rearrangement" Synlett, 2, 236-38				
	-	1	(2000)				
·	_						
		C18	J. AUGE, et. al., "Lithium Trifluoromethanesulfonate-catalysed				
			Aminolysis of Oxiranes," Tetrahedron Lett. 37, 7715-7716				
			(1996)				
	1	C19	P. BARBARO, et. al., "New Enantiomerically Pure				
	1		Aminoalcohols from (R)-α-Methylbenzylamine and				
	1		Cyclohexene Oxide," Tetrahedron: Asymmetry 7, 843-850 (1996)				
	+-	C20	M. BEATON, et. al., "Synthesis of 6-Amino-3,5-deoxyinositol				
	1	1 020	1-Phosphates via (1R,2R,4R,6S)-1,6 Epoxy-2,4-bis-				
			benzyloxycyclohexane Aminolysis in Aqueous Ytterbium				
			Triflate Solution," Tetrahedron Lett., 39, 8549-8552 (1998)				
	†	C21	F. BRION "On the Lewis Acid Catalyzed Diels-Alder reaction				
	1:		of Furan. Regio-and Stereospecific Synthesis of Substituted				
	M		Cyclohexenols and Cyclohexadienols," Tetrahedron Letters, 23,				
Ĭ			5299-5302 (1982)				
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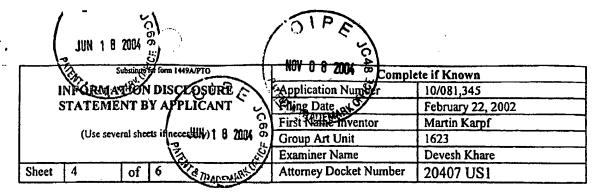
INFORMATION DISCLOSURE
STATEMENT BY APPLICANTS 10/081,345 Application Number February 22, 2002 Filing Date First Name Inventor Martin Karpf (Use several sheets fracessary) 8 2004 6 Group Art Unit 1623 Examiner Name Devesh Khare of Sheet Attorney Docket Number 20407 US1

NON PA	TENT I	TTER.	ATURE	DOCUMENTS	ì

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials'	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
. 11.	C22	F.M. CALLAHAN, et. al., "The Tertiary Buyl Group as a	
pu		Blocking Agent for Hydroxyl Sulfhydryl and Amido Functions	
1		in Peptide Synthesis" J. Am. Chem. Soc. 85, 201-7 (1963)	ł
	C23	M. CANAS, et. al., "Regioselective Ring Opening of Chiral	
		Epoxyalcohols by Primary Amines," Tetrahedron Lett. 32,	
		6931-6934 (1991)	
	C24	M. CHINI, et. al. "Metal Salts as New Catalysts for Mild and	
		Efficient Aminolsis of Oxiranes," Tetrahedron Lett. 31, 4661-	
•	1	4664 (1990)	
	C25	M. CHINI, et. al. "Regioalternating Selectivity in the Metal Salt	
		Catalyzed Aminolysis of Styrene Oxide," J. Org. Chem. 56,	
	<u> </u>	5939-5942 (1991)	
	C26	J.M. CHONG, et. al., "Nucleophilic Openings of 2,3-Epoxy	
		Acids and Amides Mediated by Ti(O-i-Pr) ₄ Reliable C-3	
		Selectivity," J. Org. Chem 50, 1560-1563 (1985)	
C27		C.R. CLARK, et. al., "Highly Selective Opiaid Analgesics.	
		Synthesis and Structure-Activity Relationships of Novel N-[2-	
		Aminocyclohexyl]aryl]acetamide and N-[2-	
		Aminocyclohexyl]aryoxy]acetamide Derivatives," J. Med.	
		Chem., 31, 831-836 (1988)	
-	C28	G.E. COATES, et. al. "Some t-Butylmagnesium and Related	
-		Complexes. Reactions between Hydrides and	
		Organomagnesium Compounds," J. Chem. Soc (A) 514-518	
<u> </u>		(1968)	
	C29	N. DE KIMPE, et. al., "Synthesis of 2,2-Dialkyl-1-	
		aminocyclopropanecarboxylic Acids from α-Chloro Ketimines,"	
		J. Org. Chem. 55, 5777-5784 (1990)	
	C30	J.A. DEYRUP, et. al. "1,2,3-Oxathiazolidines-a New	
· .		Heterocyclic System", J. Org. Chem 34, 175-179 (1969)	
C31		M.J. EARLE, et. al. "A New Synthesis of Primary Amines	
		Using tert-Butylamine as an Ammonia Equivalent: The Triflic	
		Acid Catalysed Removal of N-tert-Butyl Groups from	
	-	Carbamates," Synlett, 621-623 (1990)	
ub	C32	D.F. EVANS, et. al., "Studies in Grignard Reagents. Part II.	
An a .		NNN'N'-Tetraethylethylene-diamine Grignard Adducts," J.	
		Chem. Soc (A) 1648-1649 (1967)	

JUN 1 8 2004 Application Number Complete if Known INFORMATION DISCLOSURE STATEMENT BY APPLICANT 10/081,345 February 22, 2002 First Name Inventor Martin Karpf (Use several sheets if necessary) 1623 **Group Art Unit Examiner Name** Devesh Khare Sheet 3 of 6 Attorney Docket Number 20407 US1

Examiner Initials'	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T				
M	C33	M. FUJIWARA, et. al. "Tetraphenylstibonium Triflate as a					
N -		Regio-and Chemoselective Catalyst in the Reaction of Oxiranes	İ				
		with Amines," Tetrahedron Lett., 30, 739-742 (1989)					
C34		C34 F. GARRO-HELION, et. al., "Mild and Selective Palladium(0)-					
		Catalyzed Deallylation of Allylic Amines. Allylamine and					
		Diallylamine as Very Convenient Ammonia Equivalents for the					
		Synthesis of Primary Amines," J. Org. Chem. 58, 6109-6113					
] .		(1993)					
	C35	P.R. HALFPENNY, et. al. "Highly Selective k-Opioid					
		Analgesics. 2. Synthesis and Structure-Activity Relationships of					
		Novel N-[2-Aminocyclohexyl]aryl]acetamide Derivatives," J.					
		Med. Chem. 32, 1620-1626 (1989)					
	C36	J.Y. HAM, et. al., "A New Convenient Method for the					
		Monoprotection of aw-alkanediamines," Bull. Korean Chem.					
		Soc., 15, 1025-1027 (1994)					
	C37	G. HOFLE, et. al. "4-Dialkylaminopyridines as Highly Active					
		Acylation Catalysts", Agnew Chem. Int. Ed. Engl., 17, 569-583					
		(1978)					
	C38	M. KARPF, et. al., "New, Azide-Free Transformation of					
		Epoxides into 1,2-Diamino Compounds: Synthesis of the Anti-	ļ				
		influenza Neuraminidase Inhibitor Oseltamivir Phosphate					
	<u> </u>	(Tamiflu)," J. Org. Chem. 66, 2044-2051 (2001)	L				
	C39	G.S. KAUFFMAN, et. al., "An Efficient Chiral Moderator					
}		Prepared from Inexpensive (+)-3-Carene: Synthesis of the HIV-1					
	1	Non-Nucleoside Reverse Transcriptase Inhibitor DPC 963," Org.					
	<u> </u>	Lett., 2, 3119-3121 (2000)					
M	C40	R.N. LACEY, "The Acid-catalysed Heterolysis of Amides with					
		Alkyl-Nitrogen fission (A _{AL})," J. Chem. Soc. 1633-1639 (1960)					



			NON PATENT LITERATURE DOCUMENTS					
Examiner Initials'		Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²				
	111	C41	S. LEPPANEN, et. al., "Nucleophilic Reactivity; Part VIII.	1				
ju			Kinetics of Reactions of Acetic Anhydride with Nucleophiles in					
\ \ \			Water," Acta Chem. Scand., 27, 3572-3578 (1973)					
		C42	G.E. MCCASLAND, et. al., "Stereochemistry of					
	l		Aminocyclanols. Synthesis of cis Epimers via Oxazolines. The					
	1		2-Aminocyclopentanols," J. Am. Chem Soc. 72, 2190-2195					
			(1950)					
		C43	S.P. MCMANUS, et. al.,; "The Synthesis of Aminoalcohols					
			From Epoxides and Ammonia," Synthetic Communications 3,					
			177-180 (1973)					
		C44	M. MEGURO, et. al. "Ytterbium Triflate and High Pressure-					
			mediated Ring Opening of Epoxides with Amines," J. Chem.					
<u> </u>			Soc., Perkin Trans. 1, 2597-2601 (1994)					
İ		C45	M. MEGURO, et. al. "Ytterbium Triflate Catalyzed Ring					
			Opening of Aziridines with Amines," Tetrahedron Lett., 35,					
			7395-7398 (1994)					
		C46	M. MOUSSERON, et. al., "No. 173Recherches en serie					
			alicyclique(34 memoire)," Bull. Soc.Chim.Fr. 757-766(1952)					
		C47	K. NAKAJIMA, et. al., Studies on Aziridine-2-carboxylic Acid.I.					
			Synthesis of the Optically Active-L-Aziridine-2-carboxylic Acid					
	 		and its Derivatives," Bull. Chem. Soc. Jpn. 51, 1577-1578 (1978)					
	1	C48	M. POCH, et. al. "A Versatile Enantiospecific Approach to 3-					
ĺ	1		Azetidinols and Aziridines," Tetrahedron Lett., 32, 6935-6938					
ļ	 		(1991)					
<u>'</u>		C49	G.H. POSNER, "Organic Reactions at Alumina Surfaces,"					
	-		Angew.Chem.Int.Ed.Engl.17, 487-496 (1978)					
		C50	G.H. POSNER, et. al. "Organic Reactions at Alumina Surfaces.					
			Mild and Selective Opening of Epoxides by Alcohols, Thiols,					
			Benzeneselenol, Amines, and Acetic Acid," J. Am. Chem. Soc.					
ļ	- 	Oct	99, 8208-8214 (1977)					
	1	C51	G.H. POSNER, et. al. "Organic Reactions at Alumina Surfaces,					
	in		Mild and Selective Opening of Arene and Related Oxides by					
(M		Weak Oxygen and Nitrogen Nucleophiles," J. Am. Chem. Soc					
L		<u> </u>	99, 8214-8218 (1977)					

Substitute for form 1449A/PTO	Compl	ete if Known
STATEMENT BY APPLICANTS	Application Number	10/081,345
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NON PATENT LITERATURE DOCUMENTS Examiner Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title Initials' No. of the item (book, magazine, journal, serial, symposium catalog, etc.), date, page(s), volumeissue number(s), publisher, city and/or country where published C62 Y. UEDA, et. al. "Highly Regioselective Formation of Bromohydrins by Reaction of Epoxy-Azetidinones with MgBra: An Alternative Route to 4-Bromomethylcarbonylmethyl-2-Azetidinone, A Key Carbapenem Precursor", Tetrahedron Lett. 29, 5197-5200 (1988) H. URABE, et. al., "Ring Opening of the Epoxide Moiety of C63 (2S, 3S, 4S)-4-Amino-2,3-epozy-1-alkanol and its Derivatives: A Key Role of Ti(O-i-Pr)4 as a Mild Catalyst," Tetrahedron 48, 5639-5646 (1992) C64 S. VORWERK, et. al., "Carbocyclic Analogues of N-Acetyl-2,3-didehydro-2-deoxy-D-neuraminic Acid (Neu5Ac2en,Dana)" Synthesis and Inhibition of Viral and Bacterial Neuraminidases", Angew. Chem. Int. Ed. 37, 1732-1734 (1998) F. WINTERNITZ, et. al. "No. 70-Quelques Nouvelies Reactions C65 de la Cyclohexenmine-1,2," Bull. Soc. Chim. Fr. 382-391 (1955)C66 M. YOSHIDA, et. al., "Selective Synthesis of Five and Six Membered Cyclic Carbamates by the Reaction of 2-(1-Haloalkyl) Oxiranes with Carbon Dioxide and Aliphatic Primary Amines," Heterocycles, 35, 623-626 (1993) C67 S. ZHAO, et. al. "Regioselective and Stereoselective Syntheses of 1,2,3-Triaminocyclohexane Derivatives," J.Org. Chem. 58, 4043-4048 (1993) C68 J. MARCH, "Reactions, Mechanisms, and Structure," Advanced Organic Chemistry, 4th Edition, John Wiley & Sons, New York, p. 352-357 (1992) Examiner DATE 212104

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'Unique citation designation number,' Applicant is to place a check mark here if English language Translation or abstract is attached.

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Signature

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Application/Control No. Applicant(s)/Patent Under Reexamination Notice of References Cited 10/081,345 KARPF ET AL. Examiner MOV 0 8 2004 Art Unit Devesh Khare Page 1 of 1 1623

*		Document Number	T COL	U.S. ATENT DOCUMENTS		
		Country Code-Number-Kind Code	MM-YY DEN	Name		
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NON-PATENT DOCUMENTS

*		NON-PATENT DOCUMENTS
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'A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).) Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.